

41608



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	:	
HÖLLIG ET AL.	:	PATENT
Serial No.: 09/853,026	:	Group Art Unit: 2123
Filed: May 11, 2001	:	Examiner:
For: PROCESS FOR INCREASING THE	:	
EFFICIENCY OF A COMPUTER IN	:	
FINITE ELEMENT SIMULATIONS AND	:	
A COMPUTER FOR PERFORMING	:	
THAT PROCESS	:	

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and M.P.E.P. § 609, Applicants requests that the patents and publications (copies enclosed), listed on the attached PTO-Form 1449, be made of record in the above-identified application.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Mark S. Bicks", written over a horizontal line.

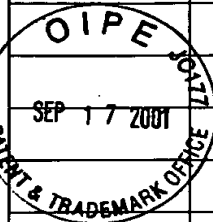
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Dated: Sep 14, 2001

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 41608	SERIAL NO. 09/853,206
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		APPLICANT Hollig et al.	
		FILING DATE May 11, 2001	GROUP 2123

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4	8	1	9	1	6	1	4/1989	Konno et al.				
	5	7	2	9	6	7	0	3/1998	Strumolo et al.				
	5	7	3	1	8	1	7	3/1998	Hahs, Jr. et al.				
	5	7	7	4	6	9	6	6/1998	Akiyama				

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	1 9 6 2 1 4 34	1996	DE				X

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	K Ho-Le, Finite element mesh generation methods: a review and classification, Computer Aided Design; January/February 1988.
	Stephen J. Owen, A Survey of Unstructured Mesh Generation Technology, Department of Civil and Environmental Engineering, Carnegie Mellon University, Pittsburgh, PA and ANSYS Inc., Canonsburg, PA.
	Alexander Fuchs, Berichte aus der Mathematik, Optimierte Delaunay-Triangulierungen zur Vernetzung getrimmter NURBS-Körper, Shaker Verlag, Aachen 1999.

EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw Line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FOREIGN PATENT DOCUMENTS									
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION				
					YES      NO				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)	
	James H. Bramble, The Lagrange Multiplier Method for Dirichlet's Problem; Mathematics of Computation, Volume 37, Number 155, July 1981.
	Pavel B. Bochev and Max D. Gunzburger, Finite Element Methods of Least-Squares Type; SIAM RFV. Vol 40, No. 4, pp. 789 - 837, December 1998.
	V.L. Rvachev und T.I. Sheiko, R-funcitons in boundary value problems in mechanics, Applied Mechanics Reviews, 48 (1995), pp. 151-188.

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## U.S. PATENT DOCUMENTS

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		YES	NO												

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	V. Shapiro, Theory of R-Functions and Applications: A Primer, Cornell Programmable Automation, Sibley School of Mechanical Engineering; Ithaca, NY (1988), CPA88-3.
	V.L. Rvachev, T.I. Sheiko, V. Shpairo und I. Tsukanov, On Completeness of RFM Solution Structures, Computational Mechanics, 25 (2000), pp. 305-316.
	V. Shapiro und I. Tsukanov, Meshfree Simulation of Deforming Domains, Computer-Aided Design, 31 (1999), pp. 459-471.

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[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

		P. Oswald, Multilevel Solvers for elliptic problems on domainins, Multiscale Wavelet Methods for PDEs, W. Dahmen et al (eds), Academic Press (1996), pp. 3-58.
		Die elementfreie Galerkin Methode - Überblick und Anwendungsbeispiele by U. Haussler-Combe, C. Korn, and J. Eibl.
		Weighted Extended B-Spline Approximation of Dirichlet Problems by Klaus Hollig, Ulrich Reif, and Joachim Wipper; SIAM J. Numer. Anal., Vol. 3g, No. 2, pp. 442-462; 2001 Society for Industrial and Applied Mathematics, 2000.

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	Richard H. Bartels, John C. Beatty and Brian A. Barsky, An Introduction to Splines for use in Computer Graphics and Geometric Modeling, pp. 46 - 65, (1987).

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